

Title (en)  
SUPPORT FRAME DEVICE

Title (de)  
STÜTZRAHMENVORRICHTUNG

Title (fr)  
DISPOSITIF DE TYPE CADRE DE SUPPORT

Publication  
**EP 3982029 A4 20220803 (EN)**

Application  
**EP 20830961 A 20200623**

Priority  
• CN 201910550811 A 20190624  
• CN 2020097741 W 20200623

Abstract (en)  
[origin: EP3982029A1] The disclosure relates to the technical field of automobile maintenance and repair as well as device calibration, and in particular, to a bracket apparatus. The bracket apparatus includes a base, a vertical rod and a clamping assembly. One end of the vertical rod is mounted to the base. The clamping assembly is mounted to the vertical rod. The clamping assembly includes a sliding member, a push rod assembly, a handle and an elastic member. One end of the sliding member is sleeved on the vertical rod. The sliding member is movable along the vertical rod. An other end of the sliding member is configured to carry a calibration element. The push rod assembly can be movably mounted to the sliding member in a preset direction. Two ends of the elastic member respectively abut against an inner wall of the sliding member and the push rod assembly. The elastic member can drive one end of the push rod assembly to be tightly pressed against the vertical rod. The sliding member is fixed to the vertical rod to prevent the sliding member from free falling and smashing. In addition, the handle is rotatably mounted to the sliding member to drive one end of the push rod assembly to be removed from contact with the vertical rod, so that the sliding member is slidable freely along the vertical rod. Therefore, the height of the calibration apparatus hung on the sliding member can be adjusted as needed, to meet different height requirements and calibration requirements.

IPC 8 full level  
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Citation (search report)  
• [I] CN 108161853 A 20180615 - AUTEL INTELLIGENT TECH CORP LTD  
• [A] DE 9105217 U1 19910613  
• [A] DE 102015208404 B3 20160908 - STOLLENWERK UND CIE GMBH FABRIK FÜR SANITÄTSAUSRÜSTUNGEN [DE]  
• [A] CN 108953897 A 20181207 - SHENZHEN ROE VISUAL CO LTD  
• See also references of WO 2020259499A1

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**EP 3982029 A1 20220413**; **EP 3982029 A4 20220803**; CN 112128524 A 20201225; CN 112128524 B 20230509; US 11835171 B2 20231205;  
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